

**University of Groningen**

## **Improving the acute and perioperative hemodynamic assessment**

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*DOI:*  
[10.33612/diss.128650137](https://doi.org/10.33612/diss.128650137)

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*Document Version*  
Publisher's PDF, also known as Version of record

*Publication date:*  
2020

[Link to publication in University of Groningen/UMCG research database](#)

*Citation for published version (APA):*  
Kaufmann, T. (2020). *Improving the acute and perioperative hemodynamic assessment*. [Thesis fully internal (DIV), University of Groningen]. University of Groningen. <https://doi.org/10.33612/diss.128650137>

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Propositions belonging to the thesis “Improving the acute and perioperative hemodynamic assessment” by Thomas Kaufmann

1. Perioperative goal-directed therapy consists of multiple individual components, which makes drawing conclusions on its benefit difficult and hampers its application in clinical practice. -This thesis
2. The decision-making process underlying estimates of cardiac pump function based on clinical examination can be mapped using Bayesian networks, and this method may be used to improve the clinical examination. -This thesis
3. Medical students and physicians weigh the norepinephrine dose and mottling of the skin as important when estimating a critically ill patient’s cardiac function. -This thesis
4. Blood pressure measurements in critically ill patients taken at the same time using different methods may give different results, and these differences may alter decision-making. -This thesis
5. Cardiac output measurements obtained with uncalibrated arterial waveform analysis are less reliable in critically ill patients with circulatory shock. -This thesis
6. External validation of mortality prediction models is needed to identify the best performing model to guide research in different settings and populations. -This thesis
7. Prepublication and peer-review of study protocols may improve study design, transparency of study conduct, and reporting, and thus increase trust in research results. -This thesis
8. Isn’t it a bit unnerving that doctors call what they do “practice”? -George Carlin
9. When you look at people who are successful, you will find that they aren’t the people who are motivated, but have consistency in their motivation. -Arsène Wenger
10. The saddest aspect of life right now is that science gathers knowledge faster than society gathers wisdom. -Isaac Asimov